Original/Duplicate/Triplicate

P.W.G. 17 1st & final Bill

NO

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka Division Sub division Yelahanka Satellite Town Date

AEE, YSTSD

Bills received No Date Sub-divisional Cash book vr No Date

SBR No: 09/24-25

Date: 29/5/2024

Divisional

Sheduled Docket No Head of account P 3726

YNK-DBR No..........

Date..........

Name of work(as per sanctioned estimate) :- **NAME OF WORK :-** Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Chikkabettahalli, Doddabettahalli and Annthapura Village Areas in Attur Ward No.03 of Yelahanka Satellite Town Sub Division.

Work Code:-003-24-000009

Name of contractor and full address :- SRI.PRADEEPA K A, No:34,Seenappa Garden,Vinayaka Nagara,Vidyaranyapura Post,Bangalore-560097.

Reference to agreement No :- **35** **Estimated cost : 80.00 Lakhs** **Work order No:-13, Date:-05/03/2024**

Certified that the measurments were taken by me on 28/05/2024 and recorded on pages **586845** to **586867** of measurment book No **5869** and the work is satisfactorily executed by the contractor.

Signature of contractor

Asst. Engineer

Certified that the measurments were taken by me on 28.05.24 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs--------------%--------- Balance---	Gross Amt -	8296000=00
3)	FSD -	—
4) Deduct payments	CGST -	70305=00
a) Amount of previous payment as in divisional/sub divisional cash book vr No-----------dated--------------S.D No------------------Amount adjusted towards cash advance recovery of	SGST -	70305=00
b) Cost of payments/stores or other materials supplied now made recovery of amount creditable to this/other work.	IT -	82960=00
Amount paid on this bill by cheque/cash	LC -	82960=00
Total	CBF -	8296=00
5). Balance being unpaid value of work done held in reserve	Royalty -	—
6) Deduct cash of advance made on divisional/sub divisional cash book vr No----------------dated-------------last adjustment.	Total deductn -	314826=00
7) Net amount due to or from contractor.	Net Amt -	7981174=00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------------(in words)----------------

Audited & Admitted for Rs....... 8296000=00

7981174=00 ....by Cheque

and Rs........ 314826=00 ....by adjusement

Accts Supdt 30/5
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP

For use in the Executive Engineer's office--------------------------------by cash and by adjustment--------------------

of payment as per memorandum
(in final settlement of all demand)

Reciept Stamp

Witness
1)
2)

Dated signature of contractor

paid by me cheque No dated

Cash Rs..........

Initials of officer making payment Date

Executive Engineer

Date

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement Qty	Previous Measurement Cost	Present Measurement Qty	Present Measurement Rate	Present Measurement Amount	Total Up to date Qty	Total Up to date Cost
1	2	3	4	5	6	7	8	9	10
1	Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S. by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. etc. complete as per the Directions of Egineer In-Charge.	Each			4.00	5989.56	23958.24	4.00	23958.24
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) as per the Directions of Egineer In-Charge. a) 0.00 to 50.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	419.09	83818.00	200.00	83818.00
3	b) 50.00 to 100.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	525.56	105112.00	200.00	105112.00
4	c) 100.00 to 150.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	558.41	111682.00	200.00	111682.00
5	d) 150.00 to 200.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	647.89	129578.00	200.00	129578.00
6	e) 200.00 to 250.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	760.02	152004.00	200.00	152004.00
7	f) 250.00 to 300.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			200.00	838.18	167636.00	200.00	167636.00
8	g)300.00 to 350.00 mtrs as per the Directions of Egineer In-Charge.	Rmtr			60.00	983.16	58989.60	60.00	58989.60

9	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty as per the Directions of Egineer In-Charge.	Rmtr				300.00	2189.45	656835.00	300.00	656835.00
10	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 12.50 HP - 90 LPM @ 264 m = 24 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.	Nos				4.00	72635.86	290543.44	4.00	290543.44
11	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable foı working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm as per the Directions of Egineer In-Charge.	Rmtr				2400.00	252.38 252.28	605712.00 605472.00	2400.00	605712.00 605472.00
12	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.	Each				4.00	1415.84	5663.36	4.00	5663.36
13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm as per the Directions of Egineer In-Charge.	Nos				4.00	1415.84	5663.36	4.00	5663.36
14	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.	Nos				4.00	302.42	1209.68	4.00	1209.68
15	Providing, Laying and Fixing of GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For:Heavy Duty GI Pipe etc. complete. Light Duty GI pipe of 50mm dia as per the Directions of Egineer In-Charge.	Rmtr				1040.00	500.64	520665.60	1040.00	520665.60
16	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.	Each				4.00	302.42	1209.68	4.00	1209.68

17	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.	Each			4.00	18009.45	72037.80	4.00	72037.80
18	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.	Job			4.00	7362.36	29449.44	4.00	29449.44
19	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" as per the Directions of Egineer In-Charge.	Each			4.00	335.82	1343.28	4.00	1343.28
20	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.	Job			4.00	1642.37	6569.48	4.00	6569.48
21	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.	Job			4.00	3614.25	14457.00	4.00	14457.00
22	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 as per the Directions of Egineer In-Charge.	Each			4.00	3179.71	12718.84	4.00	12718.84
23	Supply and delivery at site brand new best make starter/ control panel suitable for following HP centrifugal pump confirming with ISI mark and its latest amendments. 10 to 12 HP centrifugal pump as per the Directions of Egineer In-Charge.	Each			4.00	40379.69	161518.76	4.00	161518.76

24	Yield testing of borewells at final depth with a minimum of 10 hours continuously with the help of pump testing unit including the cost of transportation charges, crew charges and cost of consumables as per the Directions of Egineer In-Charge.	Each			4.00	18469.32	73877.28	4.00	73877.28
25	Supplying of TPST with rewirable porcelain channels in SM enclosure. Made out of 14 SWG powder coated paint of approved colour. 32A as per the Directions of Egineer In-Charge.	Nos			4.00	1751.52	7006.08	4.00	7006.08
26	Supplying and fixing LED Type panel board indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC Group 'A' as per the Directions of Egineer In-Charge.	Nos			12.00	530.30	6363.60	12.00	6363.60
27	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.	Each			24.00	412.91	9909.84	24.00	9909.84
28	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat......with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box	Rmtr			20.00	314.06	6281.20	20.00	6281.20
29	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP as per the Directions of Egineer In-Charge.	Nos.			4.00	9024.29	36097.16	4.00	36097.16
30	Providing, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used. For :HDPE PE 80 PN 6.0 HDPE Grade PE80-PN6.0, 63mm dia	Mtr			300.00	214.07	64221.00	300.00	64221.00
31	Rewinding of submersible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submersible pumpsets etc.(with guarantee period not less than 6 months) as per the Directions of Egineer In-Charge.For all types of submersible pumpsets above 7.0 HP and upto 7.5H.P as per the Directions of Egineer In-Charge.	Nos			1.00	46224.26	46224.26	1.00	46224.26

32	For 15.00 HP - 120 LPM @ 266 m =23 STG outlet dia-2mm	Nos			1.00	78543.87	78543.87	1.00	78543.87
33	Rewinding of submersible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submersible pumpsets etc.(with guarantee period not less than 6 months) for For all types of submersible pumpsets above 7.0 HP and upto 7.5H.P	Nos			5.00	4348.32	21741.60	5.00	21741.60
34	For all types of submersible pumpsets above 10 HP and upto 11 H.P as per the Directions of Egineer In-Charge.	Nos			5.00	5954.45	29772.25	5.00	29772.25
35	For all types of submersible pumpsets above 12 HP and upto 13 H.Pas per the Directions of Egineer In-Charge.	Nos			5.00	6776.76	33883.80	5.00	33883.80
36	Replace the components of submersible pump sets, requiring replacements decided by the departmental officials, with respective make of damaged ones, including all materials, labour, equipments and testing etc.(with gurantee of period not less than 1 year) for: The bowls of same type and make as per the Directions of Egineer In-Charge. as per the Directions of Egineer In-Charge.	Each			15.00	1699.01	25485.15	15.00	25485.15
37	The Intermediate piece (IP) with IP leaded bronze brush as per the Directions of Egineer In-Charge.	Each			15.00	1189.30	17839.50	15.00	17839.50
38	The Oil Seal as per the Directions of Egineer In-Charge.	Each			15.00	396.43	5946.45	15.00	5946.45
39	The Oil Seal.and steel bush as per the Directions of Egineer In-Charge.	Each			15.00	283.17	4247.55	15.00	4247.55
40	The Guide Vane as per the Directions of Egineer In-Charge.	Each			15.00	792.87	11893.05	15.00	11893.05
41	The Impeller (Shell moulded with aluminium and bronze.) as per the Directions of Egineer In-Charge.	Each			15.00	1699.01	25485.15	15.00	25485.15
42	The discharge outlet (DO) bearing DO steel brush DO bearing as per the Directions of Egineer In-Charge.	Each			15.00	2321.97	34829.55	15.00	34829.55
43	The steel bearing bush (DO steel bush) as per the Directions of Egineer In-Charge.	Each			15.00	453.07	6796.05	15.00	6796.05
44	The allen screw as per the Directions of Egineer In-Charge.	Each			15.00	1359.20	20388.00	15.00	20388.00
45	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for Each stage @ Rs.40/-. as per the Directions of Egineer In-Charge.	Each			15.00	1699.01	25485.15	15.00	25485.15
46	Pump key (stainless steel) as per the Directions of Egineer In-Charge.	Each			15.00	736.24	11043.60	15.00	11043.60
47	Pump coupling (stainless steel) as per the Directions of Egineer In-Charge.	Each			15.00	1699.01	25485.15	15.00	25485.15

48	Non-return valve (NRV) assembly complete with rubber `O' ring as per the Directions of Egineer In-Charge.	Each			15.00	736.24	11043.60	15.00	11043.60
49	Cable Guad as per the Directions of Egineer In-Charge.	Each			15.00	396.43	5946.45	15.00	5946.45
50	Strainer as per the Directions of Egineer In-Charge.	Each			15.00	509.70	7645.50	15.00	7645.50
51	Brass filter as per the Directions of Egineer In-Charge.	Each			15.00	1189.30	17839.50	15.00	17839.50
52	The Labour Charges for overhauling of the pump set as per the Directions of Egineer In-Charge.	Each			15.00	1019.40	15291.00	15.00	15291.00
53	C.Replacement of Motor parts Replace the components of motor parts of submersible pump sets, items requiring replacements decided by the departmental officials, with respective make of damaged ones, including all materials, labour, equipments and testing etc and wtih guarantee/warranty for one year for:Upper Flange as per the Directions of Egineer In-Charge.	Each			15.00	736.24	11043.60	15.00	11043.60
54	Lower Flange as per the Directions of Egineer In-Charge.	Each			15.00	736.24	11043.60	15.00	11043.60
55	Lower Housing as per the Directions of Egineer In-Charge.	Each			15.00	1359.20	20388.00	15.00	20388.00
56	Lock Ring as per the Directions of Egineer In-Charge.	Each			15.00	396.43	5946.45	15.00	5946.45
57	Carbon Housing as per the Directions of Egineer In-Charge.	Each			15.00	2265.34	33980.10	15.00	33980.10
58	The Carbon Housing (Thrust bearing block assembly complete with segment bearing pad as per the Directions of Egineer In-Charge.	Each			15.00	2265.34	33980.10	15.00	33980.10
59	The Carbon Housing (Top carbond / ferrodo padding) as per the Directions of Egineer In-Charge.	Each			15.00	396.43	5946.45	15.00	5946.45
60	Stud and Nuts as per the Directions of Egineer In-Charge.	Each			15.00	226.53	3397.95	15.00	3397.95
61	The Gun Metal bearing, centrifugally cast Aluminium Bronze bearing bush as per the Directions of Egineer In-Charge.	Each			15.00	962.77	14441.55	15.00	14441.55
62	Circlips as per the Directions of Egineer In-Charge.	Each			15.00	226.53	3397.95	15.00	3397.95
63	Motor base with pin as per the Directions of Egineer In-Charge.	Each			15.00	566.34	8495.10	15.00	8495.10
64	Transportotion of pumping machineries as per the Directions of Egineer In-Charge.	Each			15.00	1699.01	25485.15	15.00	25485.15
65	Labour charges Over hauling only) Motar as per the Directions of Egineer In-Charge.	Each			15.00	3398.01	50970.15	15.00	50970.15
66	Labour charges for Lifting of non functioning submersible pump set along with cable and GI pipes (Each length = 6m)). for 50 mm as per the Directions of Egineer In-Charge.	Job			525.00	259.38	136174.50	525.00	136174.50

67	Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm / 50mm), cable (New submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (Each length = 6 m)as per the Directions of Egineer In-Charge.	Job			525.00	211.81	111200.25	525.00	111200.25
68	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 4.0Sqm as per the Directions of Egineer In-Charge.	Rmtr			600.00	252.28	151368.00	600.00	151368.00
69	Water hose (pressure hose) as per the Directions of Egineer In-Charge.	Rmtr			1000.00	257.43	257430.00	1000.00	257430.00
70	Fabricating supplying and mounting MS box made out 14SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete., as per the Directions of Egineer In-Charge.1200x850x2=2040000,850x350x2=595000, (350+450)/2=400,400x1200=480000, 480000x2=960000, 3595000/100=35950Sqcm	Sqcm			970650.00	0.51	495031.50	970650.00	495031.50
71	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat......with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box	Rmtr			140.00	314.06	43968.40	140.00	43968.40
72	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" (as per the Directions of Egineer In-Charge.	Each			25.00	335.82	8395.50	25.00	8395.50
73	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 as per the Directions of Egineer In-Charge.	Each			25.00	3179.71	79492.75	25.00	79492.75
74	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.	Each			25.00	412.91	10322.75	25.00	10322.75

75	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.	Nos			25.00	3614.25	90356.25	25.00	90356.25
76	Providing, Laying and Fixing of GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For:Heavy Duty GI Pipe etc. complete. Light Duty GI pipe of 50mm dia as per the Directions of Egineer In-Charge.	Rmtr			500.00	500.64	250320.00	500.00	250320.00
77	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.	Each			20.00	18009.45	360189.00	20.00	360189.00
78	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.	Each			20.00	1415.84	28316.80	20.00	28316.80
79	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.	Each			20.00	302.42	6048.40	20.00	6048.40
80	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.	Each			20.00	302.42	6048.40	20.00	6048.40
81	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple as per the Directions of Egineer In-Charge.	Each			20.00	241.26	4825.20	20.00	4825.20
82	Providing wrought mild steel (galvanized) GI collar confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI collar as per the Directions of Egineer In-Charge.	Nos			198.00	302.42	59879.16	198.00	59879.16
83	Re-drilling of filled-up borewell, including yield test at final depth as per the Directions of Egineer In-Charge.	mtr			275.00	502.91	138300.25	275.00	138300.25

84	Logging / scanning of borewell at any depth continuously with the help of Logger unit including the cost of transportation charges, crew charges, stationery charges and cost of consumables etc as per the Directions of Egineer In-Charge.	Each		10.00	4161.43	41614.30	10.00	41614.30
85	Lifting of struck up Submersible Pump set, upto 300 ft as per the Directions of Egineer In-Charge.	Job		15.00	7708.95	115634.25	15.00	115634.25
86	Cutting and threading G.I. pipes for pump fitting, public fountains with appurtenances., where the length of pipe laid is less than 6 metres Pipes of dia 32mm to 80mm as per the Directions of Egineer In-Charge.	Each		247.00	364.72	90085.84	247.00	90085.84
87	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m as per the Directions of Egineer In-Charge.	Cum		356.31	548.21	195334.08	356.31	195334.08
88	Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 as per the Directions of Egineer In-Charge.	mtr		792.00	104.00	82368.00	792.00	82368.00
89	Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 63mm dia., 6 kg/sqcm & class 3	mtr		200.00	165.78	33156.00	200.00	33156.00

90	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the Directions of Egineer In-Charge.	Cum			284.87	164.75	46932.74	284.87	46932.74
						Total RS	**6976295.37**		**6976295.37**
						18% GST charges	1255733.17		1255733.17
91	Bescom Charges	Unit					64932.04		64932.04
						Grand Total RS	**8296960.58**		**8296960.58**

Certificate:-

i) Certified that the above work done is satisfactorly Completed.

ii) Certified that the,There is no debries have been cleared to site.

AE
Ward no 03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division